



# WebSentry™ Developer Kit

## Startup Kit for Secure e-Business Applications

The WebSentry™ Developer Kit is the most comprehensive platform to start integrating security into e-Business applications.

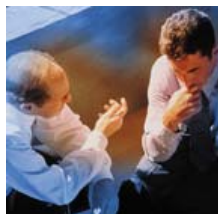
When it comes to building secure applications, finding a secure and flexible cryptographic platform that can integrate seamlessly into the target application becomes critical.

The WebSentry™ Developer Kit is a starter kit for the WebSentry™ platform, a family of cryptographic devices that bring the highest levels of protection to electronic applications. The WebSentry™ PCI and Ethernet cryptographic devices bring high levels of security and fast processing to servers for digital signature and encryption applications. By supporting all common cryptographic algorithms and processes and providing a fully scalable and redundant architecture, WebSentry™ represents the best investment in security for e-Business applications.

The WebSentry™ Developer Kit contains all the necessary components to develop, debug and release an application based on the WebSentry™ platform. Demonstration application, sample code, debugging tools, specific development environment are all part of the WebSentry™ Developer Kit, making the development and integration of WebSentry™ applications easy and fast, and therefore optimising time to market for developers.

When building a security application, if integration is critical to your success, then the WebSentry™ Developer Kit is your solution.

- Comprehensive Development Kit for the WebSentry™ Platform
- High Security Family of Tamper-Resistant Hardware
- Support for all Digital Signature and Encryption Functions
- High Availability through Built-in Load Balancing and Redundancy
- All the Tools for Developing, Debugging and Releasing High Security Applications



# WebSentry™ – Technical Specifications

## Programming Interfaces Specifications

<b>Interface Type</b>	Industry Standard PKCS#11 v2.01
<b>Cryptographic Functions</b>	DES and triple-DES key generation, encryption and decryption RSA key pair generation signatures and verifications (512, 1024 and 2048 bit) DSA key pair generation (512 and 1024 bit) signatures and validations HMAC signatures and validations (160 bits) SET™ OAEP key wrapping Secure Socket Layer (SSL) v3 key generation and derivation mechanisms supported MD5 and SHA-1 message digests Hardware-based random number generator
<b>Operating Systems</b>	Windows NT 4.0 Workstation or Server

## Device Security

<b>Physical Security</b>	Tamper evident chassis (Ethernet module) Tamper detection envelope surrounds cryptographic module Motion detection and temperature sensitive device Protection against voltage, chemical and penetration attacks
<b>Security Certification</b>	Security sub-system certified FIPS 140-1 level 4
<b>Diagnostics</b>	Tamper and error indicators including internal event log Background and invoked diagnostics tests

## Device Specifications

<b>PCI Card</b>	PCI bus rev 2.1 (32 bit, 33MHz)
Communications Interfaces	Smart card reader with integral PIN Pad, RS232 auxiliary port
Environmental	Operating Temperature: 23°F to 104°F (-5°C to 40°C) Storage Temperature: 15°F to 110°F (-10°C to 60°C)
Power	Approx. 5W from PC +5V supply
Physical Dimensions	Short Format – L6.9" (17.5cm) x W3.9" (9.8cm) x H0.7" (1.9cm)
<b>Ethernet Device</b>	10BaseT Ethernet
Communications Interfaces	Smart card reader with integral PIN Pad, RS232 auxiliary port
Environmental	Operating Temperature: 23°F to 104°F (-5°C to 40°C) Storage Temperature: 15°F to 110°F (-10°C to 60°C)
Power	External power supply, less than 7W, +/-12V and +5V supply
Physical Dimensions	L9.0" (23.0cm) x W8.7" (22.0cm) x H1.4" (3.5cm)

# THALES

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